

Work Order ID 150081

Tuesday, August 23, 2016 11:23:29 AM

150081

Page 1

Item ID: D3015-5 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: SS Nylock Nut 7/16
Start Date: 8/26/2016 Start Qty: 100.00 ***100*** Cust Item ID:
Required Date: 9/9/2016 Req'd Qty: 100.00 ***100*** Customer:
Reference:

Approvals: Process Plan: DAS 21 Date: AUG 23 2016 Tooling: _____ Date: _____ Run Start ***NR1***
QC: 9-89 Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3015	Rev C								
100	PURCHASING	0.00							
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>33395</u>								
	Description: SS locknut with nylon insert								
	Possible Supplier: Acklands P/N: PFS LNNC716S1								
	Material release note required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging	Ensure Material Release Note is attached								
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									

100 AUG 24 2016 DAS 13 9-89

100x 8016-9-13

100 DAS 38 9-89 SEP 16 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : _____			

Work Order ID 150081***150081***

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Tuesday, August 23, 2016 11:23:29 AM

Item ID: D3015-5 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: SS Nylock Nut 7/16
Start Date: 8/26/2016 Start Qty: 100.00 ***100*** Cust Item ID:
Required Date: 9/9/2016 Req'd Qty: 100.00 ***100*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>Sto15</u>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

DAS
21
9-89
SEP 19 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified	☐	Past Due	☐				

Picklist Print

Tuesday, August 23, 2016 11:23:32 AM

Page 1

Work Order ID: 150081

150081

Parent Item: D3015-5

D3015-5

Parent Item Name: SS Nylock Nut 7/16

Start Date: 8/26/2016

Required Date: 9/9/2016

Start Qty: 100.00

Required Qty: 100.00

Comments: IPP: A01.10.31New IssueSM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

PFS-LNNC7/16S1

Purchased

No

110

Each

0.0000

1

100

PFS-I NNC7/16S1

SS Nylock Nut 7/16

100 x SP/6-9-13

DQA: _____ Date: _____



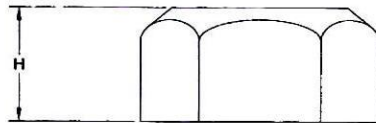
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

SPECIFICATION CONTROL DRAWING



D3015-X LOCKNUT

PART NUMBER	SIZE	HEIGHT H	POSSIBLE SUPPLIER
D3015-1	1/4-20 UNC	0.31	ACKLANDS, P/N PFSLNNC14S1
D3015-3	5/16-18 UNC	0.34	ACKLANDS, P/N PFSLNNC516S1
D3015-5	7/16-14 UNC	0.46	ACKLANDS, P/N PFSLNNC716S1
D3015-7	M5	0.19	ACKLANDS, P/N FLMN021-005-0000

△

NOTES:

- 1) MATERIAL: SS LOCKNUT WITH NYLON INSERT
- 2) FINISH: N/A
- 3) TOLERANCES: ALL DIMENSIONS SHOWN AS REFERENCE
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

STOP COPY
RETURN TO
ENGINEERING
INCONTROLLED COPY
SUBJECT TO AMENDMENT

WITHOUT NOTICE
WORK ORDER

NO 150081 MJS
16-08-23

RELEASED
09/07/15

C	REFORMAT DWG. - 7 P/N NOW FLMN021-005-0000 WAS LNNM5S1 (ZN B8-1), PAR 09-020	CP	09.07.08
B	ADD D3015-7	KJ	03.07.15
A	NEW ISSUE	DS	01.05.03
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.08		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3015 TITLE LOCKNUT REV. C SHEET 1 OF 1 SCALE NTS COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33395**

Purchase Order Date 8/24/2016 8:18:50 AM

PO Print Date 8/24/2016

Page Number 1 of 2

Order From :

VC-ACK001

Ship To : DART AEROSPACE LTD

ACKLANDS - GRAINGER INC.
P.O. BOX 2970
WINNIPEG, MB R3C 4B5
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

AUG 24 2016
E-MAILED

Contact Name

Vendor Phone 613 632 2739

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FOB - (Free on Board)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	PFS-FW14S1 AS PER DWG D2529 REV. E B150080	WASHER	8/31/2016 Yes 8/31/2016		500.00 Each	\$0.03	\$14.80
Line Total:							\$14.80
3	PFS-LNNC7/16S1 AS PER DWG D3015 REV. C B150081	SS Nylock Nut 7/16	8/31/2016 Yes 8/31/2016		100.00 Each	\$0.24	\$24.19
Line Total:							\$24.19

SP16-8-29

Note:

8/24/2016

ACKLANDS GRAINGER Acklands Grainger-Toronto 21 Merchant Rd Caledon East ON L7C2X4 www.acklandsgrainger.com		Customer tax ID / No taxe: Contact / Contact: LAVOIE CHANTAL		PACKING SLIP / BORDEREAU D'EXPÉDITION									
				Customer PO / Du client PO:  *33395									
Sold To / Vendu a 0886365464 DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7		Ship To / Address d'expédition: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7		Delivery / Livraison:  *6334725108									
Shipping Conditions / Conditions d'expédition: ZOR		Incoterms / Incoterms 0		Payment terms / Conditions de paiement: Net 30 days after invoice d		Account Manager / Directeur de compte:		Order / Commande 1270555692		Delivery date / Date d'envoi 27/AUG/2016		Order date / Date de la commande: 24/AUG/2016	
Requisitioner / Demander Y		Freight terms / Modalité Prepaid and Add		Carrier / transporteur: UPSC		Notes / Remarques:							
Line / Ligne	PO Line / Ligne de BC	Material / Matériau Description / Description		Customer Material / Matériau du client Description / Description		Unit Price / Prix unitaire	Per / Par	Ext. Price / Prix total	Ship Qty / Quantité	Order Qty / Quantité comm	UoM / Unité		
10		FPBU51738.043.0001 LOCKNUT NY RGL SS304 UNC 7/16-14				38.99	100	1.56	4	4	EA		
SHIP VIA / EXPÉDITEUR UPSC						SUB TOTAL / SOUS TOTAL						\$ 1.56	
						Freight / Fret						\$ 0.00	
						TAXE PROV - PROV TAX TPS - TVH - GST - HST						\$ 0.20	
						TOTAL AMOUNT / MONTANT TOTAL						\$ 1.76	

RECEIVED
BY
REC
DATE

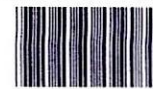
5016-8-29

**ACKLANDS
GRAINGER**Acklands Grainger-Toronto
21 Merchant Rd
Caledon East ON
L7C2X4
www.acklandsgrainger.com

Customer tax ID / No taxe:

Contact / Contact:
LAVOIE CHANTAL**PACKING SLIP / BORDEREAU D'EXPÉDITION**

Customer PO / Du client PO:



*33395

Delivery / Livraison:



*6335318878

Sold To / Vendu a 0886365464

DART AEROSPACE LTD
1270 ABERDEEN ST

HAWKESBURY ON K6A 1K7

Ship To / Address d'expédition:

DART AEROSPACE LTD
1270 ABERDEEN STHAWKESBURY ON
K6A 1K7Shipping Conditions /
Conditions d'expédition:
ZORIncoterms / Incoterms
0Payment terms /
Conditions de paiement:
Net 30 days after invoice dAccount Manager / Directeur de
compte:Order / Commande
1270555692Delivery date / Date d'
envoi
02/SEP/2016Order date / Date
de la commande:
30/AUG/2016Requisitioner / Demandeur
YFreight terms / Modalité
Prepaid and AddCarrier / transporteur:
UPSC

Notes / Remarques:

Line / Ligne	PO Line / Ligne de BC	Material / Matériau Description / Description	Customer Material / Matériau du client Description / Description	Unit Price / Prix unitaire	Per / Par	Ext. Price / Prix total	Ship Qty / Quantité	Order Qty / Quantité comm	UoM / Unité
10		FPBU51738.043.0001 LOCKNUT NY RGL SS304 UNC 7/16-14		38.99	100	37.43	96	96	EA

SHIP VIA / EXPÉDITEUR
UPSCBILL OF LADING
CONNAISSEMENT
07000000002475331SUB TOTAL /
SOUS TOTAL \$ 37.43

Freight / Fret \$ 0.00

TAXE PROV / PROV TAX
TPS / TVH / GST / HST \$ 4.87TOTAL AMOUNT /
MONTANT TOTAL \$ 42.30RECEIVED
BY
RECU
PAR

8016-9-6